

Abstract

A stator of a three-phase generator, having a multi-strand stator winding in which each of the m phase windings (19)

- 5 – is comprised of a group (22), which
 - has a first coil (24) with coil sides (28, 29), which are contained in grooves (16) that are spaced apart from one another by 180° electrically and the first coil (24) has a particular number of turns (z_w),
 - 10 – has a second coil (27) with coil sides (29, 30), which are contained in grooves (16) that are spaced apart from one another by 180° electrically and the second coil (27) has a particular number of turns (z_w);
 - the second coil (27) is offset from the first coil (24) in a first direction by $180^\circ/m$ electrically, and
 - in accordance with the predetermined number of pole pairs, a corresponding
 - 15 number of groups (22) that are offset from one another by 360° electrically are arranged one after another in the stator.

(Fig. 1)